

# Materials Packet: Thief 1W1P Meeting 7/11/18

Below is a list of items for you to review prior to the meeting. They have been included as .pdf attachments to this packet. For any questions, please contact Peter Nelson at Pennington SWCD. Peter's email address is [peter.nelson@mn.nacdnet.net](mailto:peter.nelson@mn.nacdnet.net). He can be reached at 218-683-7075.

***Please note that revisions on items have not been fully completed. The intent of this meeting is to gain consensus on the revisions that will be performed to finalize those where a decision is being asked for items for the policy committee.***

- |  |          |
|--|----------|
| 1. Agenda                                  | Pg: 1-6  |
| 2. Plan Section 5: Implementation Programs | Pg: 7-34 |

## PLANNING PHASE

### MEETING INFORMATION

|                              |   |                        |   |
|------------------------------|---|------------------------|---|
| <b>Date:</b>                 | July 11, 2018   | <b>Location:</b>       | <b>Red Lake Watershed District Office</b> |
| <b>Time:</b>                 | 9AM to Noon   | <b>Call-In Number:</b> | N/A                                       |
| <b>Invitees / Attendees:</b> | Planning Work Group (PWG)<br>Advisory Committee (AC)<br>Policy Committee (PC) | <b>Facilitator:</b>    | Matt Jacobson, HEI                        |
| <b>PWG Lead:</b>             | Myron Jesme   |                        |   |

### PREPARATION FOR MEETING

**Review:** *Policy Committee reserves the last 30 min. of the meeting to conduct business. AC is invited to the full meeting and is called at 9AM.*

*Come prepared to discuss Section 5: Implementation Programs*

### AGENDA ITEMS

#### AC Business

| AGENDA ITEMS   | ACTION    | TIME    |
|--|-----------|---------|
| 1. Recap on Progress and Direction   |           | 15 min. |
| 2. Introduce – Plan Section 4 <ul style="list-style-type: none"> <li>Go over Outline of Plan Section 4 and inform AC/PC members of the review structure and timelines</li> </ul>                   | Introduce | 20 min. |
| 3. Introduce – Plan Section 5 <ul style="list-style-type: none"> <li>Go over DRAFT Plan Section 5 and inform AC/PC members of the review structure and timelines</li> </ul>                        | Introduce | 30 min. |
| 4. Discuss – Tool status update. <ul style="list-style-type: none"> <li>Status update for AC/PC members on progress made towards completing assessments needed to finish Plan Section 4</li> </ul> | Update    | 30 min. |

#### PC Business (Add Time 11AM)

- Approve Financials
- Decide Section 3: Measurable Goals

PC Business 30 min.

#### Informational (All invited, optional attendance)–

- Thief River Watershed TMDL and WRAPs Public Notice

Inform 30 min.

## NOTES

# agenda

**Table 1. Policy Committee Members**

| Name             | Designated (D) or Alternate (A) | Affiliation       | Address  | Phone        | Email  |
|------------------|---------------------------------|-------------------|--|--------------|--|
| Tim Sumner       | D                               | Beltrami County   |  |              | <a href="mailto:Timsumner15@gmail.com">Timsumner15@gmail.com</a>                       |
| Wally Byklum     | A                               | Beltrami County   |  |              | <a href="mailto:Wally.byklum@rcis.com">Wally.byklum@rcis.com</a>                       |
| Ray Hendrickson  | D                               | Beltrami SWCD     |  |              | <a href="mailto:jackpine@gvtel.com">jackpine@gvtel.com</a>                             |
| Gary Kiesow      | D                               | Marshall County   | 25430 340 <sup>th</sup> Avenue NE<br>Goodridge, MN 56725 | 218-689-3084 | <a href="mailto:Gary.kiesow@co.marshall.mn.us">Gary.kiesow@co.marshall.mn.us</a>       |
| Rolland Miller   | A                               | Marshall County   | 26817 420 <sup>th</sup> Avenue NW<br>Warren, MN 56762    | 701-739-7396 | <a href="mailto:Rolland.miller@co.marshall.mn.us">Rolland.miller@co.marshall.mn.us</a> |
| Brad Berg        | D                               | Marshall SWCD     |  |              | <a href="mailto:Bkberg83@gmail.com">Bkberg83@gmail.com</a>                             |
| Wallace Bengston | A                               | Marshall SWCD     |  |              | <a href="mailto:wdbengtson@wiktel.com">wdbengtson@wiktel.com</a>                       |
| Neil Peterson    | D                               | Pennington County |  |              | <a href="mailto:ndpeterson@co.pennington.mn.us">ndpeterson@co.pennington.mn.us</a>     |
| Don Jensen       | A                               | Pennington County | 32094 120 <sup>th</sup> Street NE<br>Goodridge, MN 56725 | 218-689-3084 | <a href="mailto:donjensen52@gmail.com">donjensen52@gmail.com</a>                       |
| Linda Hanson     | A                               | Pennington SWCD   |  |              | <a href="mailto:miliha@gvtel.com">miliha@gvtel.com</a>                                 |
| Grant Nelson     | D                               | Pennington SWCD   | 17349 110 <sup>th</sup> Street NW<br>TRF, MN 56701       |              | <a href="mailto:grantnelson@gvtel.com">grantnelson@gvtel.com</a>                       |
| LeRoy Ose        | D                               | RLWD              | 15115 229 <sup>th</sup> Street NE<br>TRF, MN 56701       | 218-689-6675 | <a href="mailto:leroyose@gmail.com">leroyose@gmail.com</a>                             |
| Dale M. Nelson   | A                               | RLWD              | 10367 140 <sup>th</sup> Street NW<br>TRF, MN 56701       | 218-686-0032 | <a href="mailto:Dalenelson62@gmail.com">Dalenelson62@gmail.com</a>                     |

**Table 2. Advisory Committee Members**

| Name                     | Affiliation  | Address  | Phone        | Email                               |
|--------------------------|--|--|--------------|-------------------------------------|
| <b>Local Members</b>     |  |  |              |                                     |
| <b>Ralph Smith</b>       | Beltrami County Landowner                          | PO Box 142 Grygla, MN 56727  | 218-294-6358 |                                     |
| <b>Zach Gutknecht</b>    | Beltrami SWCD Clean Water Specialist               | Beltrami County Administration 701 MN Ave Suite 173 Bemidji, MN 56601                | 218-333-4157 | Zachrie.Gutknecht@co.beltrami.mn.us |
| <b>Lowell Smeby</b>      | Beltrami County Landowner                          | 62881 Flintlock Road Grygla, MN 56727  | 218-280-6916 |                                     |
| <b>Bill Neuschwander</b> | Beltrami County Landowner                          | 6252 Lee Rd NW Grygla, MN 56727  | 218-294-6000 |                                     |
| <b>Darrold Rodahl</b>    | Marshall County Landowner                          | 18646 270th Street NE Thief River Falls, MN 56701                                    | 218-681-7025 | dkrodahl@wiktel.com                 |
| <b>Raymond Benson</b>    | Beltrami SWCD Spruce Gove Township Chair           | 31217 Todroff Rd NW, Grygla, MN 56727  | 218-294-6290 |                                     |
| <b>Curtiss Hunt</b>      | Beltrami County lakes and Rivers Association       | 9217 Oman Rd Ne Bemidji, MN 56601  | 218-766-4529 |                                     |
| <b>Josh Johnston</b>     | Marshall County Water Planner/Zoning Administrator | Marshall County Water and Land Office 208 E. Colvin Avenue, Suite 3 Warren, MN 56762 | 218-745-4217 | Josh.johnston@co.marshall.mn.us     |
| <b>Loiell Dyrud</b>      | Marshall County Landowner                          | 23484 150th Ave NE Thief River Falls, MN 56701                                       | 218-681-6964 | lod@wiktel.com                      |
| <b>Lon Aune</b>          | Marshall County Hwy Dept.                          | 447 S. Main St. Warren, MN 56762   | 218-745-4381 | Lon.Aune@co.marshall.mn.us          |
| <b>Randy McMillian</b>   | Marshall County Landowner                          | 38847 380th St NE Grygla, MN 56747   | 218-686-3320 | ranmac@gvtel.com                    |
| <b>Darren Carlson</b>    | Marshall SWCD SWCD Staff                           | 105 South Division St. Warren, MN 56762  | 218-745-5010 | Darren.carlson@mn.nacdnet.net       |
| <b>Steve Holte</b>       | Marshall SWCD Landowner                            | 28770 State Hwy 219 NE Grygla, MN 56727  | 218-689-2953 | sholte@gvtel.com                    |
| <b>Elroy Aune</b>        | Marshall SWCD                                      |  |              | djaune@gvtel.com                    |

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|---|--|---|------------------------------|--|
| <b>Mike Drangstveit</b>                 | Marshall SWCD  |   |                              | mikeyd@gvtel.com   |
| <b>Mike Flaagan</b>                     | Pennington County                                    | 250 125 <sup>th</sup> Ave NE, Thief River Falls, MN 56701   | 218-683-7017                 | mlflaagan@co.pennington.mn.us  |
| <b>Wayne Johnson</b>                    | Pennington County                                    | PO Box 528 Thief River Falls, MN 56701                      | 218-681-3809                 | wjohnson@cityrft.net   |
| <b>Kevin Sanders</b>                    | Pennington County                                    | 19385 250 <sup>th</sup> Ave NE, Thief River Falls, MN 56701 | 218-681-2465<br>218-686-3462 | <a href="mailto:kjsanders@wiktel.com">kjsanders@wiktel.com</a><br>krsanders@wiktel.com |
| <b>Bryan Malone</b>                     | Pennington SWCD                                      | 201 Sherwood Ave S. Thief River Falls, MN 56701             | 218-683-7075 ext. 118        | Bryan.malone@mn.nacdn.net  |
| <b>Sportsman Club<br/>James Counter</b> | Pennington SWCD                                      | James Counter, Box 232, Thief River Falls, MN               | 218-791-9808<br>218681-1901  | jcounter@mncable.net   |
| <b>Golf Club</b>                        | Pennington SWCD                                      | Tim Erickson  | 218-681-4020                 | Tim.erickson@nsbtrf.com  |
| <b>Dale Nelson</b>                      | RLWD   | 10367 140 <sup>th</sup> St NW Thief River Falls, MN 56701   | 218-686-0032                 | Dalenelson62@gmail.com   |
| <b>Brian Dwight</b>                     | RLWD   | PO Box 427 Waskish MN 56685                                 | 218-556-7109                 | Waskish1954@gmail.com  |
| <b>State and Federal Agency Members</b> |  |   |                              |  |
| <b>Denise Oakes</b>                     | MPCA Watershed Project Management                    | 714 Lake Ave Suite 220 Detroit Lakes, MN 56501              | 218-846-8119                 | Denise.oakes@state.mn.us   |
| <b>Matt Fischer</b>                     | BWSR Board Conservationist                           | 403 4 <sup>th</sup> St NW Rm 200 Bemidji, MN 56601          | 218-755-2683                 | Matt.fischer@state.mn.us   |
| <b>Henry Van Offelen</b>                | BWSR Clean Water Specialist                          | 26624 N. Tower Road Detroit Lakes, MN 56501                 | 218-846-8406                 | henry.van.offelen@state.mn.us  |
| <b>Jenilynn Marchand</b>                | Principal Planner Environmental Health Division, MDH | 705 5 <sup>th</sup> ST NW, Suite A Bemidji, MN 56601        | 218-308-5153                 | Jenilynn.marchand@state.mn.us  |
| <b>Robert Sip</b>                       | MN Dept. of Ag.                                      | 625 N Robert Street St Paul, MN 55155                       | 651-201-6456                 | Rob.Sip@state.mn.us  |
| <b>Annette Drewes</b>                   | DNR  | 2532 Hannah Ave NW, Bemidji, MN 56601                       | 218-308-2466                 | Annette.Drewes@state.mn.us   |
| <b>Stephanie Klamm</b>                  | Area Hydrologist - DNR                               | 246 125 <sup>th</sup> Ave NE Thief River Falls, MN 56701    | 218-681-0947                 | Stephanie.klamm@state.mn.us  |

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|-------------------------|-------------------------------------|---|------------------------------|-------------------------------|
| <b>Craig Mowry</b>      | Agassiz NWR                         | 22996 290th Street NE<br>Middle River, Minnesota<br>56737 | 218-449-4115                 | craig_mowry@fws.gov           |
| <b>Shane Bowe</b>       | Red Lake Tribal                     | PO Box 279 Red Lake<br>MN 56671                           | 218-679-3959                 | Shane.bowe@redklakenation.org |
| <b>Laurie Fairchild</b> | USFWS Private Lands<br>Biologist    | Rydell and Glacial Ridge,<br>Erskine MN 56535             | 218-687-2229<br>701-425-9080 | laurie_fairchild@fws.gov      |
| <b>Jeff Franson</b>     | Golf Club Grounds<br>Superintendent | NA  | NA                           | JDsDodge@hotmail.com          |

**Table 3. Planning Work Group Members.**

| <b>Name</b>           | <b>Affiliation</b> | <b>Address</b>                     | <b>City/State/Zip</b>          | <b>Phone</b> | <b>email</b>                        |
|-----------------------|--------------------|------------------------------------|--------------------------------|--------------|-------------------------------------|
| <b>Peter Nelson</b>   | Pennington<br>SWCD | 201 Sherwood Ave S                 | Thief River Falls, MN<br>56701 | 218-683-7075 | peter.nelson@mn.nacdnet.net         |
| <b>Myron Jesme</b>    | Red Lake WD        | 1000 Pennington Ave.<br>S          | Thief River Falls, MN<br>56701 | 218-681-5800 | Myron.Jesme@redlakewatershed.org    |
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| <b>Darren Carlson</b> | Marshall<br>SWCD   | 105 Division Street<br>South       | Warren, MN 56772               | 218-745-5010 | darren.carlson@mn.nacdnet.net       |
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| <b>Corey Hanson</b>   | Red Lake WD        | 1000 Pennington Ave.<br>S          | Thief River Falls, MN<br>56701 | 218-681-5800 | Corey.Hanson@redlakewatershed.org   |
| <b>Matt Fischer</b>   | BWSR               | 403 Fourth Street NW,<br>Room 200  | Bemidji, MN 56601              | 218-755-2683 | matt.fischer@state.mn.us            |

## 5 IMPLEMENTATION PROGRAM

### 5.1 IMPLEMENTATION PROGRAMS

Plan implementation programs are a key component of the targeted implementation schedule presented in **Section 4**. In the targeted implementation schedule, each action is categorized as an implementation component, i.e. structural BMP, management practice, education and outreach, data gaps and research, regulatory, and capital improvement. These implementation components correspond to the implementation program which will be used to fund the action.

Implementation programs are the funding mechanism to implement actions and make progress toward achieving plan measurable goals. Previously, implementation programs were used by plan participants across the Thief River Watershed but lacked commonality. This plan establishes common implementation programs within the plan area<sup>1</sup>, and describes them conceptually in this section. Specific details for execution may be needed before program use.

#### 5.1.1 PROJECTS AND PRACTICES COST-SHARE INITIATIVE

Within the targeted implementation schedule, actions assigned as “management practice” or “structural BMP” use the planning, design, and implementation of management practices (i.e. nutrient management, conservation tillage) and structural BMPs (i.e. grassed waterways, controlled drainage) on the landscape to make progress toward measurable goals. These actions are funded through the Projects and Practices Cost-Share Initiative.

Examples of activities that are eligible for funding through the Projects and Practices Cost-Share Initiative include:

#### ***Input requested from Planning Work Group!***

#### ***Examples of what could go into this cost share program include, but are not limited to...***

- Soil testing and grid sampling (e.g., for organic matter content and to guide fertilizer recommendations);
- Field scale cash flow/profitability analysis to identify low profitability locations and the intersection with opportunities for management practices and structural BMPs;
- Field walkovers and consultations with property owners interested in implementing management practices or structural BMPs;
- Structural BMP design;
- The construction of structural BMPs, including the cost associated with construction observation, construction materials, and actual construction;
- The administrative, engineering, and legal costs specific to implementing management practices or structural BMPs; and
- Documentation costs for complying with grant or funding requirements.

#### ***Example text of how this Implementation Program could function (subject to PWG input):***

Management practices and structural BMPs funded by the Projects and Practices Cost-Share Initiative are typically much smaller in size than a capital improvement project. Project and practices funded by this

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<sup>1</sup> Plan participants will continue to use financial incentives through their own programs to meet their own individualized needs within their jurisdiction.



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initiative are intended to reduce the amount of sediment and nutrients leaving the landscape and delivered downstream, thereby treating runoff<sup>2</sup> near the pollutant source. This cost-share is also used to fund projects and practices that create live storage on the landscape. Any type of assistance (financial incentive, technical assistance, tax exemption, conservation easement, land acquisition) can be used to provide the Projects and Practices Cost-Share Initiative, up to **75%** of the total project or practice cost.

To be suitable for funding under this initiative, projects and practices must be planned and implemented to a recognized standard, such as the NRCS design standard or guidance found within an urban BMP stormwater manual. A lesser design standard can be used to fund a project or practice, but the total allotted cost-share amount will be reduced. If a lesser design standard is used to plan and implement a management practice or structural BMP, the burden for replacement is shifted to landowner.

The Projects and Practices Cost-Share Initiative is expected be funded through Clean Water Fund dollars and potentially dollars from federal and foundation grants<sup>3</sup>, to pay for eligible activities. Grant applications to fund the Projects and Practices Cost-Share Initiative will be prepared jointly as the Thief River Watershed 1W1P Planning Group.

Prior to any grant application, each partnering entity will identify the number and locations of management and structural BMPs they wish to implement within a two-year period, consistent with the plan, and according to technical capacity. **Funding for Projects and Practices Cost-Share Initiative dollars is preferentially given to projects and practices that adhere to the prioritized numbers, types, and locations of projects and practices identified within the targeted implementation plan (see Section 4).**

Grant dollars received by the Thief River Watershed 1W1P Planning Group will be distributed to plan participants planning, designing, or implementing the prioritized and funded management practices and structural BMPs. Decisions about practices considered but not funded (perhaps a landowner is unwilling to participate) should be maintained in **central location for BWSR reporting**. Each plan participant that receives funding is responsible for reporting results and estimated benefits arising from dollars received.

Field walkovers and consultations to identify critical source areas will be completed free of charge to the landowner using the Projects and Practices Cost-Share Initiative, up to a maximum amount of **\$X,XXX** per walkover or consultation, or the maximum amount as determined by the Planning Work Group. The purpose of the walkover or consultation is to evaluate how to best plan to fix a problem. Projects and Practices Cost-Share Initiative dollars can then be used to design and implement solutions to problems once identified. Walkovers or consultations funded through the initiative can be performed by any qualified entity that undergoes sufficient training (SWCD or watershed district staff, agronomic advisor, consultant, etc.). The results from field walkover and consultations funded by Clean Water Fund dollars must be reported to BWSR.

The Thief River Watershed 1W1P Planning Group is responsible for managing process, paper work, and funds (including payment requests) of the Projects and Practices Cost-Share Initiative. The initiative will be coordinated through local units of government. Additional staff are likely to be needed because the amount of money available and number of practices constructed will increase. Implementing the program will require one or more qualified engineering technicians capable of designing the practices and working with landowners and city engineers.

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<sup>2</sup> For example, the intent is to minimize the likelihood of funding in-lake treatment projects.

<sup>3</sup> Private funding from private agribusinesses may be possible, provided the efforts support a sustainability claim.

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**Table 5-1: Probable list of management practices or structural BMPs eligible for funding under the Projects and Practices Cost Share Initiative. List is not all inclusive. Management practices and structural BMPs are grouped by their Prioritize, Target, and Measure Application (PTMApp) treatment group.**

| Management Practice or Structural BMP             | NRCS Code | PTMApp Treatment Group Category |            |               |              |            |                  |              |
|---|-----------|---------------------------------|------------|---------------|--------------|------------|------------------|--------------|
|   |           | Storage                         | Filtration | Biofiltration | Infiltration | Protection | Source Reduction | User Defined |
| Alternative Tile Intake - Dense Pattern Tiling    | 606       |                                 |            |               | x            |            |                  |              |
| Alternative Tile Intake - Gravel Inlet            | 606       |                                 | x          |               |              |            |                  |              |
| Alternative Tile Intake - Other Blind Intake      | 606       |                                 | x          |               |              |            |                  |              |
| Alternative Tile Intake - Perforated Riser Intake | 606       | x                               |            |               |              |            |                  |              |
| Anaerobic Digester                                | 366       |                                 |            |               |              |            |                  | x            |
| Bioretention Basin                                | N/A       |                                 |            | x             |              |            |                  |              |
| Conservation Cover                                | 327       |                                 | x          |               |              |            |                  |              |
| Conservation Crop Rotation                        | 328       |                                 | x          |               |              |            |                  |              |
| Conservation Tillage                              | 329       |                                 |            |               |              |            | x                |              |
| Constructed Wetlands                              | N/A       | x                               |            |               |              |            |                  |              |
| Contour Buffer Strips                             | 332       |                                 | x          |               |              |            |                  |              |
| Contour Farming                                   | 330       |                                 |            |               |              |            | x                |              |
| Cover Crop  | 340       |                                 | x          |               |              |            |                  |              |
| Critical Area Planting                            | 342       |                                 |            |               |              | x          |                  |              |
| Culvert Sizing                                    | N/A       | x                               |            |               |              |            |                  |              |
| Dam   | 402       | x                               |            |               |              |            |                  |              |
| Drainage Water Management                         | 554       | x                               |            |               |              |            |                  |              |
| Filter Strips                                     | 393       |                                 | x          |               |              |            |                  |              |
| Forage and Biomass Planting                       | 512       |                                 |            |               |              |            | x                |              |
| Grade Stabilization Structure                     | 410       |                                 |            |               |              | x          |                  |              |
| Grassed Waterways and Swales                      | 412       |                                 | x          |               |              |            |                  |              |
| Infiltration Trench                               | N/A       |                                 |            |               | x            |            |                  |              |
| Irrigation Water Management                       | 442       |                                 |            |               |              |            | x                |              |
| Lined Waterway or Outlet                          | 468       |                                 |            |               | x            |            |                  |              |
| Multi-stage Ditch                                 | N/A       |                                 |            |               | x            |            |                  |              |
| Nutrient Management                               | 590       |                                 |            |               |              |            | x                |              |
| Pest management                                   | 595       |                                 |            |               |              |            |                  | x            |
| Pond for Water Use                                | 378       | x                               |            |               |              |            |                  |              |

| Management Practice or Structural BMP | NRCS Code | PTMApp Treatment Group Category |            |               |              |            |                  |              |
|---------------------------------------|-----------|---------------------------------|------------|---------------|--------------|------------|------------------|--------------|
|                                       |           | Storage                         | Filtration | Biofiltration | Infiltration | Protection | Source Reduction | User Defined |
| Prescribed Burning                    | 338       |                                 |            |               |              |            |                  | x            |
| Prescribed Grazing                    | 556       |                                 |            |               |              |            | x                |              |
| Riparian Forest Buffer                | 391       |                                 | x          |               |              |            |                  |              |
| Riparian herbaceous Cover             | 322       |                                 | x          |               |              |            |                  |              |
| Roof Runoff Management                | 558       |                                 |            |               |              |            |                  | x            |
| Rotational Grazing                    | N/A       |                                 |            |               |              |            | x                |              |
| Sediment Basin                        | 350       | x                               |            |               |              |            |                  |              |
| Saturated Buffer                      | N/A       |                                 |            | x             |              |            |                  |              |
| Septic System Improvement             | N/A       |                                 |            |               |              |            |                  | x            |
| Storm Water Retention Basins          | N/A       | x                               |            |               |              |            |                  |              |
| Stream Channel Stabilization          | 584       |                                 |            |               |              | x          |                  |              |
| Streambank and Shoreline Protection   | 580       |                                 |            |               |              | x          |                  |              |
| Stripcropping                         | 585       |                                 |            |               | x            |            |                  |              |
| Structure for Water Control           | 587       | x                               |            |               |              |            |                  |              |
| Terrace                               | 600       |                                 | x          |               |              |            |                  |              |
| Tree/Shrub Establishment              | 612       |                                 |            |               |              | x          |                  |              |
| Water and Sediment Control Basin      | 638       | x                               |            |               |              |            |                  |              |
| Water Reuse                           | 636       |                                 |            |               |              |            |                  | x            |
| Wetland Creation                      | 658       | x                               |            |               |              |            |                  |              |
| Wetland Restoration                   | 657       | x                               |            |               |              |            |                  |              |

## 5.1.2 EDUCATION AND OUTREACH

Actions assigned as an “education and outreach” implementation component use education and outreach to make progress toward a measurable goal. The Education and Outreach Implementation Program funds the implementation of these actions. These actions are primarily targeted at two stakeholder groups: (1) the general public; and (2) Plan Stakeholders (Local staff, government agencies, landowners and producers).

Thus, the Education and Outreach Program focuses efforts on these stakeholder groups through:

- Public Outreach Campaign
- Stakeholder Forum

***Input requested from Planning Work Group!***

Do you want the Education and Outreach Implementation Program subdivided into a campaign and forum? Are other “types of programs” more relevant?

Education and Outreach Implementation Program is operated through the Thief River Watershed 1W1P sharing of services. Expectations are that a common set of (template) education and outreach materials will be developed for use across the watershed but delivered by the staff within each county. The campaign will be locally administered or administered by entities covering a larger plan area. The campaign will be implemented with individual local entities operating as their own respective fiscal agent.

The stakeholder forum provides an opportunity for those with a vested interest in plan implementation and future plan development to provide input and gain knowledge of matters related to the implementation of the plan. The forum could manifest as a series of roundtable discussions, an email listserv and/or other types of events that involve stakeholders (watershed bus tours, stakeholder breakfasts, etc.).

### **5.1.2.1 PUBLIC OUTREACH CAMPAIGN**

The primary purpose of the Public Outreach Campaign is to create positive and impactful education and outreach experiences the public, including general citizens down through school aged children.

Plan partners collaborate with others to increase education and outreach and community engagement within the plan area. Organizations that have collaborated with plan partners for education and outreach purposes include but are not limited to....

***Input requested from Planning Work Group!***

There are numerous public education and outreach activities currently occurring in Thief River Watershed. Such as...

Collaboration with other entities is discussed more in **Section 5.XXX**.

Several activities are included as part the Public Outreach Campaign, such as the development of educational materials, newsletters, coordination of volunteer activities, school presentations, and public meetings to raise awareness and gain a better understanding of the consequences of individual decisions on water management. Also included are general media campaigns, citizen and local government unit surveys, and municipal training.

### **5.1.2.2 STAKEHOLDER FORUM**

The Stakeholder Forum is tailored to agricultural landowners and operators, local staff, government agencies, and special interest groups within the plan area. The purpose of the Stakeholder Forum is to connect various groups with a vested interest in water resource management and promote meaningful dialogue around water in the Thief River Watershed.

***Input requested from Planning Work Group!***

There are many education and outreach activities already occurring in the area designed to connect and engage government, special interest, and private citizens. Examples include ....

Several activities are eligible as part the Stakeholder Forum. Eligible activities include the dissemination of information and ideas through an email listserv, regular roundtable discussions, breakfast and/or dinner

events, watershed tours, plan progress updates, and website that serves as a clearinghouse of plan information.

### ***Input requested from Planning Work Group!***

What does a stakeholder forum look like to you? Is there an LGU interested in or have the capacity to serve as a forum organizer/facilitator?

## **5.1.3 RESEARCH AND MONITORING**

Actions categorized as “data gaps and research” use research and monitoring to close information and data gaps and are funded by the Research and Monitoring Implementation Program. Closing data gaps allows for the conceptualization of tailored, science-based implementation strategies aimed to develop information to better address priority issues.

Plan participants have and will continue to invest in the development and assembly of data and information. A large portion of these data and information are water quality monitoring data. The Research and Monitoring Implementation Program is dedicated to enhancing and maintaining the monitoring network in the Thief River Watershed to capture and document measurable water quality changes resulting from watershed implementation activities. The Red Lake Watershed District, along with plan partners, have a robust surface and ground water monitoring network in place that continues to be refined.

There are many local plan participants that conduct monitoring in the Thief River Watershed, including but not limited to the Red Lake Watershed District. The Red Lake Watershed District has been conducting water quality monitoring since 1980. Pennington SWCD also conducts monthly water quality monitoring on the Thief River. The Grygla River Watch Team, through an International Water Institute Program (IWI), conducts monitoring in northeast portion of the watershed. Intensive water quality monitoring has also been conducted in the Thief River Watershed through the Thief River Watershed Sediment Investigation and Agassiz NWR Water Quality study in 2012. Local entities continue to pursue funding to assess and monitor water quality in the Thief River Watershed to fill identified data gaps, measure progress toward implementation goals for both protection and restoration and provide the basis for future planning and adaptive management.

There are several surface monitoring sites in the Thief River Watershed that are operated by the MPCA as part of the watershed monitoring approach. The watershed approach is a 10-year rotation for assessing waters of the state on the level of Minnesota’s 81 major watersheds (MPCA, 2012). The IWI and MPCA conduct monitoring at three sites, two on the Thief River (near Agassiz National Wildlife Refuge and at the outlet) and one on the Mud River (Highway 89), through the Thief River Watershed Pollutant Load Monitoring Network (WPLMN). Flow monitoring is also conducted by the MPCA/MnDNR, USGS, USFWS, and RLWD throughout the watershed. The Thief River has two real-time gauges: a USGS site north of Thief River Falls and a MPCA/MnDNR site on CSAH 7 near the Agassiz NWR. The Mud River is monitored for flow by the MPCA/MnDNR at Hwy 89. The RLWD monitors water levels of several other significant reaches in the watershed (MPCA, 2016). In 2011, the MPCA undertook an intensive watershed monitoring effort of the Thief River Watershed surface waters (MPCA, 2014). These stations consist of stream, biological, and lake monitoring components. The MPCA also coordinates two programs as part of the watershed monitoring programs that are aimed at encouraging citizen surface water monitoring: (1) the Citizen Lake Monitoring Program and (2) the Citizen Stream Monitoring Program. The programs gain valuable long-term data which can be used to evaluate trends.

The MPCA awarded Surface Water Assessment Grants (SWAG) to local entities in the plan area for monitoring lake and stream water quality. The goals of these SWAG grants have been to expand the local entities' training programs and outreach efforts enabling organizations to recruit and retain additional citizen volunteers for both lake and stream monitoring in the Thief River Watershed and enhance and complete datasets for streams and lakes throughout the watershed to evaluate overall water quality.

During the plan development process, planning partners expressed a desire to conduct a study of altered hydrology in the watershed. The analysis requires a robust long-term annual stream discharge dataset of at least 20 continuous years to establish a “benchmark” condition. The only available stream gage data in the watershed meeting the minimum criteria is immediately downstream of an area of heavily regulated flow. **Thus, a program of continuous flow monitoring at all major tributaries in the watershed is required to conduct the altered hydrology analysis.**

Despite the abundance of surface water quality monitoring and data for the Thief River Watershed, there is a significant data gap for groundwater quality and quantity. The MPCA conducted a baseline study of groundwater quality in 1998 and mandatory testing of newly constructed wells by the MDH provides limited information. The only information on groundwater quantity available is from MnDNR groundwater withdrawal permits. **A program to monitor groundwater quantity and quality related to arsenic, bacteria, and nitrates is required to establish baseline datasets.**

The practice of Drainage Water Management, also known as tile drainage, is becoming more common in the Red River Basin, including the Thief River Watershed. Though the Red Lake Watershed District, Marshall SWCD and Pennington SWCD have programs in place to research the impact of tile drainage on water quality and educate landowners about tile drainage, there is a data gap with regards to permitting and the extent of tile drainage in the Thief River Watershed. **In order to fill this data gap and gain a better understanding of the impacts of drainage water management, the planning partners will consult with outside drainage authorities (e.g. county hwy. departments) and leverage existing programs related to education and water quality research.**

During implementation, the Research and Monitoring Implementation Program will build on the data and information processes already established by plan participants. This initiative will also be used to fund implementation of actions aimed to build and maintain technical capacity to fully utilize new technology and tools for water resource management. The Research and Monitoring Implementation Program will be operated through the sharing of services. However, activities will be locally-administered and implemented, with individual local entities operating as the fiscal agent.

### ***Input requested from Planning Work Group!***

The research and monitoring program is designed to address data gaps identified during the plan development process. Please provide any input on existing programs that could be leveraged to address any of these data gaps.

## **5.1.4 CAPITAL IMPROVEMENTS**

A capital improvement is defined as a major non-recurring expenditure for the construction, repair, retrofit, or increased utility or function of physical facilities, infrastructure, or environmental features. Capital improvements are beyond the “normal” financial means of the Thief River Watershed 1W1P Planning Group and therefore require external funding.

**Table 5-2** shows proposed capital improvements within the Thief River Watershed. Additional discussions are needed among plan participants to develop the specific process for implementing capital improvements. Specifically, members of the Policy Committee or the Planning Work Group's individual

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and representative Boards are expected to discuss the means and methods for funding new capital improvements, with potential funding partners, before an implementation timeline can be established.

Capital improvement projects completed through this plan will be operated and maintained by **TBD**.

***Input requested from the Planning Work Group!***

You are encouraged to add to this list of projects. To date, we have been utilizing \$150K as a minimum estimated cost justifying a project as a “capital improvement.”

**Table 5-2:** Potential capital improvement projects in the Thief River Watershed One Watershed, One Plan Planning Area.

| Capital Improvement Project  | Description  | Lead Entity                 | Information Source                                   | Years (Start and End) | Status                              | Estimated Cost* |
|--|--|-----------------------------|--|-----------------------|-------------------------------------|-----------------|
| Two retrofits recommended by the stormwater water quality Best Management Practice retrofit analysis | Install two of the retrofits recommended by the stormwater water quality Best Management Practice retrofit analysis. Reduce stormwater volume, nutrient, and contaminant contributions based on TMDL, WRAPS, or LGU and institution recommendations  | Beltrami County             | Beltrami County Local Water Plan                     | 2018-2021             |                                     | \$600,000       |
| Flood volume reduction within the eastern portion of the Thief River Watershed                       | As defined in the 20% reduction study for the Red River Basin, a flood control and water quality measure, create 10,000 acre-ft of additional flood volume reduction within the Thief River Watershed by implementing a series of storage BMPs to reduce volume of floodwater reaching downstream resources. | Red Lake Watershed District | Red Lake Watershed District 10-yr Comprehensive Plan | 2018-2028             | Check Existing Implementation Level | \$10,000,000    |
| Moose River Stream Bank Stabilization Project  | Address bank sloughing along the Moose River upstream of CSAH #52 and downstream of the Moose River Impoundment  | Red Lake Watershed District | Thief River 1W1P                                     | 2018-2028             | Complete an Engineers Report        | \$500,000       |
| JD 30 Outlet Stabilization Project   | Stabilize 3 miles of JD 30 by re-sloping the ditch banks or constructing a 2-stage ditch. The project will also include side water inlet structures where needed.  | Pennington County           | Thief River 1W1P                                     | 2020-2030             |                                     | \$900,000       |
| Mud River Restoration  | Restore flow to approximately 5 miles of historic Mud River in Agassiz NWR   | USFWS                       | Agassiz NWR  | 2020-2023             | In review status                    | \$2,000,000     |



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|                                     |  |                             |                  |           |                  |             |
|-------------------------------------|--|-----------------------------|------------------|-----------|------------------|-------------|
| Thief River Stream Bank Restoration | Restore and stabilize banks and oxbows along the Thief River | Red Lake Watershed District | Thief River 1W1P | 2018-2028 | In review status | \$2,000,000 |
|-------------------------------------|--|-----------------------------|------------------|-----------|------------------|-------------|

## 5.1.5 REGULATORY ADMINISTRATION

Many of the issues affecting priority issues can be addressed in part through the administration of statutory responsibilities and ordinances. These actions are categorized as “regulatory” in the targeted implementation schedule and are funded by the Regulatory Administration Implementation Program. **Table 5-3** shows the relationship between statutory obligations and ordinances administered by the counties and the Watershed District within the Thief River Watershed.

### 5.1.5.1 STATUTORY RESPONSIBILITIES

#### ***Input requested from the Planning Work Group!***

Text descriptions and content below will shift based on input received on **Table 5-3**. Example text provided below:

The State Statutes administered by the counties and the Watershed District involved in this plan are described below. In many cases, local regulations and ordinances have been adopted to conform to the standards and requirements of the state statutes (**Table 5-3**). The responsibility for implementing these programs will remain with the respective counties.

#### **WETLAND CONSERVATION ACT (WCA)**

The Minnesota Legislature passed the Wetland Conservation Act of 1991 which is intended to result in “no net loss” of wetlands through filling, draining, excavating, or converting wetlands to other uses. Local government units are responsible for administering, regulating, and educating landowners on WCA.

#### **BUFFER AND SOIL LOSS LEGISLATION**

During the 2015 legislative session, the State of Minnesota passed the Buffer and Soil Loss Legislation (Minnesota Statue 2014, section 103B.101), commonly referred to as the Minnesota Buffer Law. The legislation requires a 50-foot average continuous buffer of perennial vegetation with a 30-foot minimum width around all public waters and a 16.5-foot minimum width continuous buffer of perennial vegetation along all public drainage systems. The SWCDs will be relied upon for implementation and assessing compliance of the buffer legislation. SWCDs are also likely to provide technical assistance and provide guidance about financial assistance options. Landowners also have the option of working with their SWCD to determine if other alternative practices aimed at protecting water quality can be used, rather than a buffer.

#### **BUFFER AND SOIL LOSS LEGISLATION**

Minnesota’s Soil Erosion Law (Minnesota Statute 103F.401-.455), enacted in 1984, set forth a broad public policy regarding excessive soil loss. It simply states that “A person may not cause, conduct, contract for, or authorize an activity that causes excessive soil loss”. Excessive soil loss is defined as meaning soil loss that is greater than the soil loss limits, and soil loss limits is defined as meaning the maximum amount of soil loss from water or wind erosion, expressed in tons per acre per year, that is allowed by local regulations on a particular soil. Agricultural soil loss limits, often referred to as “T” are set forth in the United States Department of Agriculture, Natural Resources Conservation Service, Field Office Technical Guide. In Minnesota “T” ranges from 3 to 5 tons/acre/year.

Beyond the public policy statement, the law is crafted differently than other State environmental laws such as exist for shorelands, floodplains, wetlands, and feedlots in that its adoption and administration by local

government is not required. Instead the law encourages each statutory or home rule charter city, town, or county that has planning and zoning authority to adopt a soil loss ordinance.

## **SHORELAND MANAGEMENT**

The Minnesota Legislature has delegated responsibility to local government units to regulate the subdivision, use, and development of shorelands along public waters to preserve and enhance the quality of surface waters, conserve the economic and natural environmental values of shorelands, and provide for the wise use of waters and related land resources. This statute is administered and enforced as a zoning ordinance requiring a 50-foot buffer around public waters.

## **FLOODPLAIN MANAGEMENT**

Floodplain zoning regulations are intended to guide development in the floodplain consistent with the magnitude of the flood threat, to minimize loss of life and property, disruption of commerce and governmental services, extraordinary public expenditure for public protection and relief, and interruption of transportation and communication, all of which adversely affect public health, safety, and general welfare.

## **INDIVIDUAL SUBSURFACE SEWAGE TREATMENT SYSTEMS (SSTS)**

Counties participating in the 1W1P administer Minnesota Rules Chapter 7080 through 7083 for individual SSTSs. The program provides technical assistance, education, plan review, and inspections to protect water quality, prevent and control water borne diseases, and prevent or eliminate nuisance conditions.

## **MUNICIPAL WASTEWATER TREATMENT FACILITIES**

Two municipal wastewater treatment facilities (Grygla and Goodridge) are found in the Thief River Watershed. The Minnesota Pollution Control Agency regulates and monitors municipal wastewater treatment facilities.

## **SOLID WASTE MANAGEMENT**

Counties participating in the Thief River Watershed 1W1P operate solid waste management systems as direct by Minnesota Statutes Chapters 115A and 400. These programs may include:

- Waste reduction and waste education programs;
- Curbside recycling and publicly-owned and operated recycling center;
- Yard waste composting sites; and
- Regional hazardous waste management facility.

## **WELL MANAGEMENT**

The Minnesota Department of Health (MDH) administers the state wellhead protection rule, Minnesota Rules, Chapter 4720.5100 – 4720.5590, that sets standards for wellhead protection planning. Municipalities within the Thief River Watershed have completed or will be completing wellhead protection plans. The most recent listing of completed wellhead protection plans can be obtained from MDH.

## **HAZARD MANAGEMENT**

Section 104 of the Disaster Mitigation Act of 2000 (DMA 2000), Public Law 106-390, codified at 42 USC Sections 5121 et seq. Hazard Mitigation Planning, 44 CFR Part 201, established criteria for state and local hazard mitigation planning. Counties participating in the 1W1P have developed hazard mitigation plans because of DMA 2000.

## FEEDLOTS

Feedlot rules, regulations, and programs were established under MN Rules 7020 and is administered through the Minnesota Pollution Control Agency. Counties participating in the 1W1P provide feedlot regulatory oversight and technical assistance programs and maintain a feedlot inventory.

### 5.1.5.2 LOCAL ORDINANCES

#### ***Input requested from the Planning Work Group!***

Text descriptions and content below will shift based on input received on **Table 5-3**. Example text provided below:

Local ordinances are used by the counties in the Thief River Watershed to address issues specific to their county. **Table 5-3** shows the counties which have ordinances related to managing water and resources. The responsibility for implementing these ordinances will remain with the respective counties.

#### **AGGREGATE MANAGEMENT**

Individual counties manage the development of and extraction of aggregate resources through local zoning and ordinances. County government will remain responsible for this process.

#### **EROSION CONTROL (AGRICULTURAL AND CONSTRUCTION)**

**County XXX** participating in this plan have erosion control regulations within their zoning ordinances that address agricultural erosion, construction and storm water plans. The State of Minnesota also requires permits through the National Pollutant Discharge Elimination System (NPDES) for all construction on development sites of one acre or more in size.

#### **FORESTLAND MANAGEMENT**

**County XXX** manages trees and woodland through their zoning ordinances. This includes restrictions for structures being built in a wooded area to preserve trees, and standards for the harvesting of timber and associated reforestation or conversion of forested use to a non-forested use.

#### **PRESERVATION OF NATURAL DRAINAGE WAYS**

**County XXX** has a zoning ordinance to retain the natural drainage systems in the county through performance standards for lakes, rivers, and streams.

#### **LAND USE**

Counties and Municipalities within the Thief River Watershed are responsible for land use planning, which is administered through local zoning ordinances.

### 5.1.5.3 RULES

#### ***Input requested from the Planning Work Group!***

Text descriptions and content below will shift based on input received on **Table 5-3**. Example text provided below:

The Thief River Watershed is within the jurisdictional boundary of the Red Lake Watershed District. The Red Lake Watershed District has a system of rules and regulations for the management of water within the District. The need for new and implementation of existing rules and regulations within the Thief River Watershed will continue through the Red Lake Watershed District. **Table 5-3** shows existing rules and regulations within the Red Lake Watershed District, as they relate to statutory responsibilities and local county ordinances. Existing rules and regulations for the Red Lake Watershed District are also shown in **Appendix XXX**.

## ***PUBLIC DRAINAGE SYSTEMS: ESTABLISHMENT, IMPROVEMENT, REROUTING, REPAIRS, IMPOUNDMENTS, BUFFER COMPLIANCE***

Actions impacting public drainage systems are regulated by rules within the Red Lake Watershed District. The following actions require a permit from the Red Lake Watershed District to proceed:

- Water is to be diverted from one watershed to another
- Water is to be drained into a legal ditch
- A ditch is to be repaired
- A marsh is to be drained
- A dike is to be constructed or altered
- A reservoir is to be drained or constructed
- A bridge, culvert, or drain is to be installed or changed
- Construction is to be done near a waterway, lake or marsh

## ***PRESERVATION OF NATURAL DRAINAGEWAYS***

Populate (if necessary) when ordinance table is received...

## ***TILE DRAINAGE***

Populate (if necessary) when ordinance table is received...

## ***STREAM HYDRAULIC CAPACITY***

Populate (if necessary) when ordinance table is received...

## ***STORMWATER RUNOFF***

Populate (if necessary) when ordinance table is received...

***Input requested from the Planning Work Group!***

**Table 5-3: Statutory responsibilities and regulations, rules, and ordinances administered by the counties and the Watersheds District participating in the Thief River One Watershed, One Plan. List is not intended to be all-inclusive.**

|                                      | <b>Rule, Ordinance or Statute Name</b>            | <b>Beltrami County</b>                          | <b>Marshall County</b>                 | <b>Pennington County</b>  | <b>RLWD</b> |
|--------------------------------------|---|---|--|---|-------------|
| <b>Statutory Responsibilities</b>    | <b>Shoreland Management</b>                       | Shoreland Management Ordinance (#6)             | Shoreland Ordinance (MC Env. Serv.)    | Shoreland Ordinance (Pennington SWCD)                               |             |
|                                      | <b>Floodplain Management</b>                      |   | Floodplain Ordinance (MC Env. Serv.)   | Floodplain Ordinance (Pennington SWCD)                              |             |
|                                      | <b>Individual Sewage Treatment Systems (ISTS)</b> | Sewage and Wastewater Treatment Ordinance (#32) | SSTS Ordinance (MC Env. Serv.)         | Sewage and Wastewater Treatment Systems Ordinance (Pennington SWCD) |             |
|                                      | <b>Solid Waste Management</b>                     | Solid Waste Management Ordinance (#13)          |  | Solid Waste Management Plan   |             |
|                                      | <b>Hazard Management</b>                          |   | Hazard Mitigation Plan (MC Env. Serv.) | Pennington County Hazard Mitigation Plan                            |             |
|                                      | <b>Feedlots</b>                                   |   | Feedlot Ordinance (MC Ag. Serv.)       | Feedlot Ordinance (Pennington SWCD)                                 |             |
|                                      | <b>Buffers</b>                                    | Buffer Ordinance (#48)                          | Buffer Ordinance (MC Hwy. Dpt.)        | Buffer Ordinance (Penn Co. Hwy Dept.)                               |             |
|                                      | <b>Aggregate Management</b>                       |   |  |   |             |
| <b>Local Regulations, Rules, and</b> | <b>Agricultural Soil Erosion</b>                  |   |  | Critical Area Soil Erosion Control Policy (1992)                    |             |
|                                      | <b>Construction Erosion Control</b>               |   |  |   |             |
|                                      | <b>Forestland Management</b>                      |   |  |   |             |

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|  | Rule, Ordinance or Statute Name   | Beltrami County                                     | Marshall County | Pennington County   | RLWD |
|--|---|---|-----------------|---|------|
|  | <b>Preservation of Natural Drainage Ways</b>  |   |                 |   |      |
|  | <b>Tile Drainage</b>  |   |                 |   |      |
|  | <b>Land Use</b>   |   |                 |   |      |
|  | <b>Public Drainage Systems: Establishment, Improvement, Rerouting, Repairs, Impoundments, Buffer Compliance</b> | Beltrami County<br><i>Chapter 103E<br/>Drainage</i> |                 | Pennington County<br><i>Chapter 103E<br/>Drainage</i>                   |      |
|  | <b>Stream Hydraulic Capacity</b>  |   |                 |   |      |
|  | <b>Stormwater Runoff</b>  |   |                 |   |      |
|  | <b>City Ordinances/Code</b>   |   |                 | Thief River Falls City<br><i>Code Title: IX General<br/>Regulations</i> |      |

## 5.1.5.4 DRAINAGE AUTHORITY

Below is a list of the entities with the Thief River Watershed, with identification of who is the drainage authority for the systems within its area.

### ***Input requested from the Planning Work Group!***

In addition to listing Drainage Authorities in **Table 5-4**, this would be a good place to include a map of public drainage ditches classified by Drainage Authority in the Thief River Watershed.

**Table 5-4: Drainage authority by Thief River Watershed LGU.**

| Thief River Watershed Entity | Drainage Authority (Y/N) |
|------------------------------|--------------------------|
| Beltrami County              |                          |
| Marshall County              |                          |
| Pennington County            |                          |
| Red Lake Watershed District  |                          |

## 5.2 FUNDING

This section describes how the plan will be funded. Plan participants expect to pursue grant opportunities collaboratively to fund implementation of the targeted implementation schedule. Within the targeted implementation schedule, actions are assigned to implementation programs. **Table 5-5** shows the sources of funding that will be used to implement and administer the implementation programs.

This plan sets an ambitious implementation schedule. Local, state, federal, and other funding sources will not be sufficient to meet the targeted implementation schedule. As such, the success of implementing the plan will depend on collaboratively sought competitive state, federal, and private grant dollars. As an alternative to reliance on competitive grants, this plan envisions successful legislation to allow for reliable block grant dollars for plan implementation.

**Table 5-6** shows the most commonly used programs and grants for implementing the implementation program described by this plan and used within the targeted implementation schedule. These funding grants and programs are cross-referenced to the Projects and Practices Cost Share, Education and Outreach, and Research and Monitoring implementation programs, thereby showing potential sources of revenue for implementation.



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Table 5-5: Budget for the Baseline Implementation Funding Level for the Thief River Watershed One Watershed, One Plan

***Not yet discussed- Will be discussed in future meetings.***

| Implementation Program            | Local  |       | State  |       | Collaborative Grants <sup>4</sup> |       | Federal |       | NGOs   |       | All Sources |       |
|-----------------------------------|--------|-------|--------|-------|-----------------------------------|-------|---------|-------|--------|-------|-------------|-------|
|                                   | Annual | Total | Annual | Total | Annual                            | Total | Annual  | Total | Annual | Total | Annual      | Total |
| Projects and Practices Cost Share |        |       |        |       |                                   |       | TBD     | TBD   | TBD    | TBD   |             |       |
| Regulatory <sup>2</sup>           |        |       |        |       |                                   |       |         |       |        |       |             |       |
| Research and Monitoring           |        |       |        |       |                                   |       |         |       |        |       |             |       |
| Education and Outreach            |        |       |        |       |                                   |       |         |       |        |       |             |       |
| Plan Administration               |        |       |        |       |                                   |       |         |       |        |       |             |       |
| Capital Improvements              |        |       |        |       |                                   |       |         |       |        |       |             |       |
| <b>TOTAL</b>                      |        |       |        |       |                                   |       | -       | -     | -      | -     |             |       |

<sup>1</sup> Projects and Practices Cost Share amount based on current amount for all counties, and includes baseline costs for management practices and structural BMPs

<sup>2</sup> Assumes local fiscal support of local implementation of statutory obligations and ordinances remains unchanged.

<sup>3</sup> Plan administration budgets like current local expenditures by individual counties. Total estimated cost assumes approximately 10% of total dollar amount of funds administered.

<sup>4</sup> Collaborative grants assumed to be provided to the Thief River Watershed 1W1P as one or more non-competitive implementation block grants

***Input Requested from the Planning Work Group!***

Please list any additional programs that should be included in this table as well as any that are not active in the Thief River Watershed and should be removed.

**Table 5-6: Implementation programs and related funding sources. Note: This table lists examples of funding sources and is not intended to be all-inclusive.**

| Source                                 | Organization   | Program/ Grant Name                               | Primary Assistance Type | Projects and Practices Cost Share | Research and Monitoring | Education and Outreach |
|--|--|---|-------------------------|-----------------------------------|-------------------------|------------------------|
| Federal                                | NRCS   | Conservation Innovation Grant (CIG)               | Financial               | x                                 |                         |                        |
|  |  | Conservation Stewardship Program (CSP)            | Financial / Technical   | x                                 |                         |                        |
|  |  | Environmental Quality Incentives Program (EQIP)   | Financial / Technical   | x                                 |                         |                        |
|  |  | Agricultural Conservation Easement Program (ACEP) | Easement                | x                                 |                         |                        |
|  | FSA  | Conservation Reserve Program (CRP)                | Easement                | x                                 |                         |                        |
|  |  | Conservation Reserve Enhancement Program (CREP)   | Easement                | x                                 |                         |                        |
|  |  | Farmable Wetlands Program (FWP)                   | Easement                | x                                 |                         |                        |
|  |  | Grasslands Reserve Program (GRP)                  | Easement                | x                                 |                         |                        |
|  | FSA/ USDA / NRWA                                     | Source Water Protection Program (SWPP)            | Technical               |                                   |                         | x                      |
|  | USFWS  | Partners for Fish and Wildlife Program (PFW)      | Financial / Technical   | x                                 |                         |                        |
|  | PCA  | Federal Clean Water Act Section 319 Grants        | Financial               | x                                 |                         |                        |
|  | FEMA   | Hazard Mitigation Grant Program (HMGP)            | Financial               | x                                 |                         |                        |
|  |  | Pre-Disaster Mitigation (PDM)                     | Financial               | x                                 |                         |                        |
|  |  | Flood Mitigation Assistance (FMA)                 | Financial               | x                                 |                         |                        |
| Risk Mapping, Assessment, and Planning |  | Technical   | x                       |                                   |                         |                        |
| EPA                                    | Water Pollution Control Program Grants (Section 106) | Financial   |                         |                                   |                         | x                      |
|  | State Revolving Fund (SRF)                           | Loan  | x                       |                                   |                         |                        |

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| Source                   | Organization           | Program/ Grant Name   | Primary Assistance Type | Projects and Practices Cost Share | Research and Monitoring | Education and Outreach |
|--------------------------|------------------------|---|-------------------------|-----------------------------------|-------------------------|------------------------|
|                          |                        | <b>Drinking Water State Revolving Fund (DWSRF)</b>              | Loan                    | x                                 |                         |                        |
|                          |                        | <b>Section 319 Grant Program</b>                                | Financial               | x                                 | x                       |                        |
| State                    | DNR                    | <b>Aquatic Invasive Species Control Grant Program</b>           | Financial / Technical   | x                                 |                         |                        |
|                          |                        | <b>Conservation Partners Legacy Grant Program</b>               | Financial               | x                                 |                         |                        |
|                          |                        | <b>Pheasant Habitat Improvement Program (PHIP)</b>              | Financial               | x                                 |                         |                        |
|                          |                        | <b>Flood Hazard Mitigation Grant Assistance</b>                 | Financial               | x                                 |                         | x                      |
|                          |                        | <b>Forest Stewardship Program</b>                               | Technical               | x                                 |                         |                        |
|                          |                        | <b>Reinvest in Minnesota (RIM)</b>                              | Financial / Easement    | x                                 |                         |                        |
|                          |                        | <b>Aquatic Management Area Program</b>                          | Easement                | x                                 |                         |                        |
|                          | BWSR                   | <b>Wetland Tax Exemption Program</b>                            | Financial               | x                                 |                         |                        |
|                          |                        | <b>Clean Water Fund Grants</b>                                  | Financial               | x                                 | x                       |                        |
|                          |                        | <b>Erosion Control and Management Program</b>                   | Financial               | x                                 |                         |                        |
|                          |                        | <b>SWCD Capacity Funding</b>                                    | Financial               | x                                 | x                       | x                      |
|                          |                        | <b>Natural Resources Block Grant</b>                            | Financial               | x                                 |                         |                        |
|                          | MPCA                   | <b>Reinvest in Minnesota (RIM) Reserve Services</b>             | Financial               | x                                 |                         |                        |
|                          |                        | <b>Surface Water Assessment Grants (SWAG)</b>                   | Financial               |                                   |                         | x                      |
|                          |                        | <b>Clean Water Partnership</b>                                  | Financial               | x                                 |                         |                        |
|                          | MDH                    | <b>Source Water Protection Grant Program</b>                    | Financial               | x                                 |                         | x                      |
|                          | MDA                    | <b>Agriculture Best Management Practices (BMP) Loan Program</b> | Financial               | x                                 |                         |                        |
| <b>Pheasants Forever</b> |                        | Financial / Easement  | x                       |                                   | x                       |                        |
| Ducks Unlimited          | <b>Ducks Unlimited</b> | Financial / Easement  | x                       | x                                 | x                       |                        |

\*Disclaimer: This is not an all-inclusive list of funding opportunities, but instead, provides examples of funding opportunities and their primary relation to Thief River Watershed 1W1P Implementation Programs.

## 5.2.1 LOCAL FUNDING

The annual amount of funding needed to implement the plan from local sources is an estimated **\$XXX** and **\$XXX for the ten-year plan life cycle**. Local revenue is defined as money derived from either the local property tax base or in-kind services of any personnel funded from the local tax base. Local funding excludes general operating funds obtained from BWSR, counties, fees for service and grants or partnership agreements with the federal government or other conservation organizations.

These funds will be used for locally focused initiatives where opportunities for state and federal funding are lacking because of misalignment of an initiatives purpose with state or federal objectives. These funds will also be used for matching grants.

## 5.2.2 STATE FUNDING

The annual amount of funding needed for plan implementation from state sources is **\$XXX annually** and **\$XXX for the ten-year plan life cycle**. State funding includes all funds derived from the State tax base for state cost-share regulatory purposes. State funding excludes general operating funds obtained from BWSR, counties, fees for service and grants or partnership agreements with the federal government or other conservation organizations.

## 5.2.3 COLLABORATIVE GRANTS

The annual amount of funding needed for plan implementation from collaborative grants is **\$XXX** annually and **\$XXX for the ten-year plan life cycle**. The Thief River Watershed 1W1P will apply as an entity for collaborative grants, which may be competitive or non-competitive. The assumption is that future base support for implementation will be provided to the Thief River Watershed 1W1P as one or more non-competitive implementation block grants. Where the purpose of an initiative aligns with the objectives of various state, local, non-profit, or private programs, these dollars will be used to help fund the initiatives described by this plan.

## 5.2.4 FEDERAL FUNDING SOURCES

Federal funding includes all funds derived from the Federal tax base. For example, this includes programs such as the Environmental Quality Incentives Program (EQIP), Conservation Reserve Program (CRP), and Conservation Innovation Grants (CIG). The Environmental Protection Agency also has Section 319 funds, which traditionally have been used for implementation to improve water quality. Federal funding excludes general operating funds obtained from BWSR, counties, fees for service and grants or partnership agreements with state government or other conservation organizations.

Federal agencies need to be more effectively engaged following the approval of this plan and prior to implementation, to create an avenue to access federal resources for implementation. An opportunity may exist to leverage state dollar through some form of federal cost-share program. Where the purpose of an initiative or campaign aligns with the objectives of various federal agencies, federal dollars will be used to help fund the initiatives and campaigns described by this plan.

## 5.2.5 OTHER: NON-GOVERNMENTAL ORGANIZATIONS AND PRIVATE ENTITIES

This category of funding excludes general operating funds obtained from BWSR, counties, fees for service, local funding sources, and grants or partnership agreements with the state or federal government or other conservation organizations.

Several non-governmental funding sources may provide technical assistance and fiscal resources to implement the Thief River Watershed 1W1P targeted implementation schedule. For example, Ducks Unlimited would be a potential funding source that differs from the other categories. This plan should be provided to all NGOs as a means of exploring opportunities to fund specific aspects of the targeted implementation schedule.

Private sector companies, including those specifically engaged in agribusiness are often overlooked as a potential source of funding for implementation. Many agribusiness companies are working to improve water quality. Some of the agribusiness companies are providing technical or financial support for the implementation of management and structural BMPs because they are interested in agricultural sustainability. Most often this is through Field to Market (<https://calculator.fieldtomarket.org/fieldprint-calculator/>). This plan could be used to explore with private sector companies whether the estimated water quality benefits have monetary value and therefore, may provide access to funding from the private sector.

## 5.3 PLAN ADMINISTRATION & COORDINATION

### 5.3.1 DECISION-MAKING AND STAFFING

**Note:**

Implementation roles and responsibilities have not been discussed. Table 5-7 and supporting text is provided as an example to guide future discussions.

The **TBD** will become responsible for completing the annual work planning process and completing and submitting annual reports. The **TBD** will also serve as the central fiscal agent on behalf of the Thief River Watershed 1W1P. Responsibilities for annual work planning and serving as the central fiscal agent will be revisited by the Planning Work Group on an annual basis. Expectations are that the roles of the Policy Committee, Planning Work Group, and Advisory Committee will shift and change focus. **Table 5-7** shows the probable roles and functions related to plan implementation.

**Table 5-7: Anticipated roles for Thief River Watershed 1W1P implementation**

| Committee Name      | Primary Implementation Role / Functions   |
|---------------------|---|
| Policy Committee    | <ul style="list-style-type: none"> <li>• Local funding commitments for implementation</li> <li>• Approving the annual work plan</li> <li>• Approving annual fiscal reports</li> <li>• Approving annual reports submitted to BWSR</li> <li>• Annual review and confirmation of Planning Work Group priority issue recommendations</li> <li>• Direction to Planning Work Group on addressing emerging issues</li> <li>• Approve plan amendments</li> <li>• Implement county ordinances and state statutory responsibilities separately from plan implementation</li> <li>• Approve grant applications</li> <li>• Approve annual assessment</li> </ul> |
| Advisory Committee  | <ul style="list-style-type: none"> <li>• Review of and input on annual work plan</li> <li>• Identification of collaborative funding opportunities</li> <li>• Recommendations to Planning Work Group on program adjustments</li> <li>• Assist with execution of the targeted implementation schedule</li> </ul>  |
| Planning Work Group | <ul style="list-style-type: none"> <li>• Identify local funding needs for implementation</li> <li>• Prepare annual fiscal reports</li> <li>• Prepare annual reports submitted to BWSR</li> <li>• Annual review and confirmation of priority issues</li> <li>• Evaluate and recommend response to emerging issues</li> <li>• Prepare plan amendments</li> <li>• Implement the targeted implementation schedule</li> </ul>  |
| TBD                 | <ul style="list-style-type: none"> <li>• Convene committee meetings</li> <li>• Prepare the annual work plan</li> <li>• Prepare and submit grant applications / funding requests</li> <li>• Compile annual results for annual assessment</li> </ul>  |

## 5.3.2 COLLABORATION

### 5.3.2.1 COLLABORATION WITH OTHER UNITS OF GOVERNMENT

The Thief River Watershed 1W1P Planning Group will continue coordination and cooperation with other governmental units at all levels. This cooperation and coordination is both horizontal and vertical. Vertical coordination between the Thief River Watershed 1W1P Planning Group and agencies such as BWSR, US Army Corps of Engineers, MnDNR, and the MPCA are mandated through legislative and permit

requirements. Horizontal cooperation between Thief River Watershed 1W1P Planning Group and comparable units of government such as municipalities, township boards, county boards, the Watershed District board, and other water management authorities are a practical necessity to facilitate watershed wide activities.

The Thief River Watershed 1W1P Planning Group will exercise intergovernmental coordination and cooperation as an absolute necessity for it to perform its required functions. The Thief River Watershed 1W1P Planning Group will continue to foster an environment that enhances coordination and cooperation to the maximum extent possible throughout the implementation of this plan.

The Thief River Watershed 1W1P Planning Group has identified that agency goals, objectives, directions, and strategies are generally compatible with the content of this plan. The implementation actions and goals were predominantly defined through a collaborative effort. However, some agency goals, objectives, directions, and strategies for resource management within the plan area have not been selected as priority issues. The responsibility for achieving the goals associated with resource issues considered “C” level or unranked priorities remains with the respective agency or organization.

The Thief River Watershed 1W1P Planning Group will act as the lead for the implementation of this plan’s identified priority issues. Due to local funding, technological, and other capacities, the lower ranked issues that were not prioritized are encouraged to be implemented with agency-led efforts, including but not limited to funding. The Thief River Watershed 1W1P Planning Group will continue to cooperate and collaborate with other governmental units, at all levels, but may retain a cooperator or facilitator role with implementation of addressing issues that were not prioritized by Thief River Watershed 1W1P Planning Group as “A” or “B” level priorities.

### 5.3.2.2 COLLABORATION WITH OTHERS

Plan partners expect to continue and build on existing collaboration with others, including non-governmental organizations, while implementing this plan. Partners for these collaborations include, but are not limited to...

#### ***Input requested from Planning Work Group!***

What entities do you currently collaborate with? Examples include Pheasants Forever, Ducks Unlimited, Minnesota Waterfowl Association....

### 5.3.3 WORK PLANNING

This plan envisions collaborative implementation. Therefore, annual work planning is envisioned to align the priority issues addressed, the availability of funds, and the roles and responsibilities for implementation.

#### ***Note:***

Roles and responsibilities in this section have not been discussed. Text is provided as an example to guide group discussions.

## 5.3.3.1 LOCAL PURPOSE

An annual work plan will be developed by the Planning Work Group based on the targeted implementation schedule and any adjustments made through self-assessments (see **Section 5.3.4**). The annual work plan will then be presented to the Policy Committee, who will ultimately be responsible for approval. The intent of these annual work plans will be to maintain collaborative progress toward completing the targeted implementation schedule.

## 5.3.3.2 STATE PURPOSE

The Planning Work Group will collaboratively develop, review, and submit a Biennial Budget Request (BBR) from this plan to BWSR. This BBR will be submitted to and ultimately approved by the Policy Committee, prior to submittal to BWSR. The BBR will be developed based on the targeted implementation schedule and any adjustments made through self-assessments (see **Section 5.3.4**).

## 5.3.4 ASSESSMENT AND EVALUATION

### 5.3.4.1 ANNUAL EVALUATION

Each year the Planning Work Group will provide the Policy Committee with an annual update on the progress of the plan's implementation in accordance with BWSR's Level 1 performance standards. During this annual review process, feedback will be solicited from the boards, Policy Committee, and the Advisory Committee. This feedback will be presented to the Policy Committee to set the coming year's priorities for achieving the plan's goals and to decide on the direction for grant submittals. In addition, this feedback will be documented and incorporated into biennial evaluations and five-year evaluations.

### 5.3.4.2 BIENNIAL EVALUATION

To better predict and maximize water-related State and grant funding demand, BWSR has adopted a Biennial Budget Request (BBR) program. The BBR is intended to utilize local water management priorities to drive state appropriation requests. The Thief River 1W1P Planning Group intends to pursue block grant requests and other funding based on the BBR to meet goals and plan implementation schedules.

### 5.3.4.3 FIVE-YEAR EVALUATION

This plan has a ten-year life cycle beginning in 2018. Over the course of the plan life cycle, progress towards reaching goals and completing the implementation schedule may vary. In addition, new issues may emerge and/or new monitoring data, models, or research may become available. As such, in XXX a five-year evaluation will be undertaken to determine if the current course of actions is sufficient to reach the goals of the plan, or if a change in the course of actions is necessary.

### 5.3.4.4 REPORTING

Local governmental units have a number of annual reporting requirements. A number of these reporting requirements will remain a responsibility of the local government units (**Table 5-8**). However, reporting related to grants and programs developed collaboratively and administered under this plan will be reported by the Planning Work Group. In addition to annual reports, the Planning Working Group will also develop an annual State of the Watershed Report. This report will document progress toward reaching goals and completing the targeted implementation schedule, and will describe any new emerging issues



or priorities. The information needed to annually update the State of the Watershed Report will be developed through the annual evaluation process.

**Table 5-8: Examples of annual LGU reporting responsibilities.**

| Report                             | Local Governmental Unit Responsibility |
|------------------------------------|--|
| Annual Report                      | TBD                                    |
| Ditch Buffer Strip Annual Report   | Drainage Authority                     |
| Farm Bill Assistance Report        | SWCD                                   |
| Financial Reports                  | TBD                                    |
| Technical Approval Authority (TAA) | SWCD                                   |
| Website Compliance: (Checklist)    | All Grantees                           |
| WCA Annual Report                  | All WCA LGUs                           |
| Feedlot Report                     | All Feedlot LGUs                       |

### 5.3.5 PLAN AMENDMENT PROCESS

This plan extends through **XXX**. Revision of the plan may be needed through an amendment prior to the plan update if significant changes emerge in the priorities, goals, policies, administrative procedures, or plan implementation programs. Revision may also be needed if issues emerge that are not addressed in the plan.

An amendment can be categorized as either a minor or general. All amendments to this plan will follow the procedures set forth in this section. This plan will remain in full effect until a revision is approved by BWSR. Plan amendments may be proposed by any agency, person, city, county, or Watershed District to the Policy Committee, but only the Policy Committee can initiate the amendment process. All recommended plan amendments must be submitted to the Policy Committee along with a statement of the problem and need, the rationale for the amendment, and an estimate of the cost to complete the amendment. However, the existing authorities of each local government unit within the Thief River Watershed is still maintained. As such, CIPs need only be approved by a local board to be amended to the plan, with notification to the Policy Committee.

Preparers of this plan recognize it may need to be periodically amended to remain useful as a long-term planning tool. However, the structure and intent of this plan is to provide flexibility to respond to short-term emerging issues and opportunities. The Policy Committee will review and revise its long-range work plan and/or implementation programs through the annual budget and Annual and Short-Range Work Plan.

Technical information (especially water quality data) will require frequent updating, such as when new, site-specific data is generated by state, federal, and regional agencies, counties, cities, or individuals. Generally, these technical updates and studies are considered part of the normal course of operations consistent with the intent of this plan and not a trigger for a plan amendment. However, when the technical information results in a policy that is a significant change of direction from the plan, or the implementation of a projects or implementation programs, a plan amendment may be required.

## 5.3.5.1 CRITERIA AND FORMAT FOR AN AMENDMENT

Plan participants recognize the large work effort required to manage water-related issues. The plan provides the framework to implement this work by identifying priority issues, measurable goals, and action items. Neither a minor nor a general plan amendment will be required for the following situations:

- Any activity implemented through the “normal” statutory authorities of a local unit of government, unless the activity is deemed contrary to the intent and purpose of this plan;
- The estimated cost of a non-capital improvement project action item is different than the cost shown in the long-range work plan or within this plan;
- The addition or deletion of action items, programs, initiatives or projects, as long as these are generally consistent with the goals this plan, are not capital improvement projects as defined by this plan (nor is contemplated by an implementation program), and will be proposed, discussed and adopted as part of the annual budgeting process which involves public input.

Plan amendments (both minor and general) will be prepared in a format consistent with Rule 8410.0140 (as revised). The rule requires that unless the entire plan is re-printed, all adopted amendments must be printed in the form of replacement pages for the plan, each page of which must:

- Show deleted text as stricken and new text as underlined for draft amendments being considered;
- Be renumbered as appropriate; and
- Include the effective date of the amendment.

The Policy Committee will maintain a distribution list for copies of the plan and within 30 days of adopting an amendment distribute copies of the amendment to the distribution list. Generally, electronic copies of the amendment will be provided, or documents made available for public access on the **TBD** website ([www.tbd.org](http://www.tbd.org)). Printed copies will be made available upon written request, and printed at the cost of the requester.

## 5.3.5.2 GENERAL PLAN AMENDMENTS

If the Policy Committee or BWSR decide that a general plan amendment is needed, the Planning Work Group will follow the general plan amendment process described in Minnesota rules and laws (Rule 8410.0140, Subp. 2 and MS 103B.231, Subd. 11). The general plan amendment, which is the same as the plan review process, is as follows:

- Submit the amendment to the all cities, counties, and conservation districts within the plan boundary, the state review agencies (the MnDNR, MPCA, Minnesota Department of Agriculture, and MDH), and BWSR for a 60-day review;
- Respond in writing to any concerns raised by the reviewers;
- Hold a public hearing on the proposed amendment; and
- Submit the revised amendment to the state review agencies and BWSR for a 90-day review and BWSR approval.

At the discretion of the Policy Committee, drafts of proposed general plan amendments may be sent to all plan review authorities for input before beginning the formal review process. Examples of situations where a general plan amendment may be required include:

- Addition of a capital improvement project that is not described by the plan;

- Establishment of a water management district(s) to collect revenues and pay for projects initiated through MS 103B.231, MS 103D. To use this funding method, MS 103D.729 requires that the (Planning Work Group equivalent) prepare an amendment to its plan;
- Addition of new programs or other initiatives that have the potential to create significant financial impacts or controversy, when inconsistent with the issues, goals and policies.

### 5.3.5.3 MINOR PLAN AMENDMENTS

The minor plan amendment process is more streamlined than the general plan amendment process. Although no comprehensive criteria are set forth for what constitutes a minor amendment, MN Rule 8410.0140, Subpart 1a. states amendments to plans are not required for changes such as:

*“Formatting or reorganization of the plan; revision of a procedure meant to streamline administration of the plan; clarification of existing plan goals or policies; inclusion of additional data not requiring interpretation; expansion of public process; or adjustments to how an organization will carry out program activities within its discretion”.*

A minor plan amendment will be required for changes to the goals or policies that directly affect the programs or budgets of other local units of government within the plan boundary.

### 5.3.6 FORMAL AGREEMENTS

The Thief River Watershed 1W1P Planning Group is a coalition of Counties, Soil and Water Conservation Districts, and a Watershed District within northwest Minnesota. The Thief River Watershed 1W1P Planning Group previously entered into a formal agreement through a Memorandum of Agreement for planning the 1W1P for the Thief River Watershed (**Appendix XXX**). The parties have drafted a revised **TBD Formal Agreement** for purposes of implementing this plan. The legal name for the entity is the **TBD**.